AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

- 1. (Original) A laser arrangement, comprising:
 - a first resonant laser cavity (1);
- a first optically pumpable gain element (4) located within said first cavity for generation of a first fundamental wavelength;
 - a second resonant laser cavity (2);
- a second optically pumpable gain element (5) located within said second cavity for generation of a second fundamental wavelength;
- a pump source (3) arranged to optically pump both the first (4) and the second (5) gain element;
- a first non-linear optical region (6) arranged for sum-frequency mixing of the radiation generated in said first resonant cavity (1) and the radiation generated in said second resonant cavity (2);

wherein said first and second non-linear regions are both located within said second resonant cavity.

2. (Original) An arrangement as claimed in claim 1, further comprising a beam splitter (8) for geometrically folding said first resonant cavity (1), said beam splitter (8) being located between said pump source (3) and said gain elements (4,

- 5), such that pump radiation emitted by the pump source (3) passes said beam splitter (8) before entering the gain elements.
- 3. (Original) An arrangement as claimed in claim 1, wherein at least one of said non-linear optical regions comprises a quasi-phasematching grating.
- 4. (Original) An arrangement as claimed in claim 3, wherein both of said non-linear optical regions are comprised of quasi-phasematching gratings located in a single element.
- 5. (Original) An arrangement as claimed in claim 1, wherein at least one of said gain elements is an optically pumpable semiconductor element.
- 6. (Original) An arrangement as claimed in claim 1, wherein at lest one of said gain elements is a Nd-doped solid-state element selected from Nd:YVO₄, Nd:YAG, Nd:YLF, Nd.GVO₄, and Nd:Glass.
- 7. (Original) An arrangement as claimed in claim 6, wherein both of said gain elements are comprised of Nd:YVO₄, and wherein the first resonant cavity (1) is adapted for generation of a fundamental wavelength of 914 nm and the second resonant cavity (2) is adapted for generation of a fundamental wavelength of 1064 nm.

- 8. (Original) An arrangement as claimed in claim 1, further comprising a third non-linear optical region arranged for frequency-doubling of the radiation generated in the first resonant cavity (1).
- 9. (Currently Amended) An arrangement as claimed in claim 3-or-4, wherein the non-linear optical regions are constituted by a periodically poled crystal of KTP.
- 10. (Currently Amendment) An arrangement as claimed in any one of the preceding claims, claim 1, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.
- 11. (New) An arrangement as claimed in claim 4, wherein the non-linear optical regions are constituted by a periodically poled crystal of KTP.
- 12. (New) An arrangement as claimed in claim 2, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.
- 13. (New) An arrangement as claimed in claim 3, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.

- 14. (New) An arrangement as claimed in claim 4, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.
- 15. (New) An arrangement as claimed in claim 5, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.
- 16. (New) An arrangement as claimed in claim 6, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.
- 17. (New) An arrangement as claimed in claim 7, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.
- 18. (New) An arrangement as claimed in claim 8, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.
- 19. (New) An arrangement as claimed in claim 9, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.

20. (New) An arrangement as claimed in claim 11, wherein a dielectric coating is provided on an end face of one of the gain elements (4, 5), said coating constituting a cavity mirror for both the first (1) and the second (2) resonant cavity.